

(12) NACH DEM VERTRAG ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG

(19) Weltorganisation für geistiges Eigentum
Internationales Büro



(43) Internationales Veröffentlichungsdatum
22. Februar 2001 (22.02.2001)

PCT

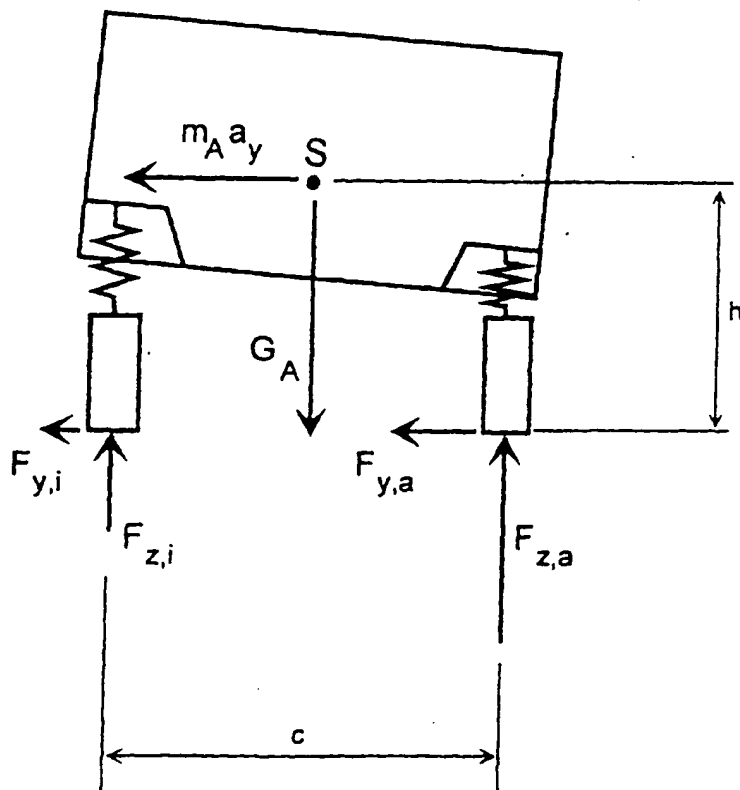
(10) Internationale Veröffentlichungsnummer
WO 01/12483 A1

- (51) Internationale Patentklassifikation⁷: B60T 8/00 [DE/DE]; Guerickestrasse 7, D-60488 Frankfurt am Main (DE).
- (21) Internationales Aktenzeichen: PCT/EP00/07772
- (22) Internationales Anmeldedatum: 10. August 2000 (10.08.2000) (72) Erfinder; und (75) Erfinder/Anmelder (nur für US): LATARNIK, Michael [DE/DE]; c/o Latarnik, Christine, Römerstrasse 7, D-61381 Friedrichsdorf (DE). LÜDERS, Ulrich [DE/DE]; Lerchenstr. 3, D-31303 Burgdorf (DE). ROLL, Georg [DE/DE]; Hegelstrasse 2, D-63150 Heusenstamm (DE). RASTE, Thomas [DE/DE]; Weisskirchener Str. 15a, D-61440 Oberursel (DE). OEHLER, Rainer [DE/DE]; Finkenweg 48, D-64295 Darmstadt (DE). IZSAK, Karl [DE/DE]; Messkircher Strasse 53, D-68239 Mannheim (DE).
- (25) Einreichungssprache: Deutsch
- (26) Veröffentlichungssprache: Deutsch
- (30) Angaben zur Priorität: 100 39 108.7 7. August 2000 (07.08.2000) DE
- (71) Anmelder (für alle Bestimmungsstaaten mit Ausnahme von US): CONTINENTAL TEVES AG & CO. OHG

[Fortsetzung auf der nächsten Seite]

(54) Title: METHOD AND DEVICE FOR MEASURING STATUS VARIABLES OF A VEHICLE.

(54) Bezeichnung: FERFAHREN UND VORRICHTUNG ZUM BESTIMMEN VON FAHRZEUGZUSTANDSGRÖßEN



[Fortsetzung auf der nächsten Seite]



WO 01/12483 A1

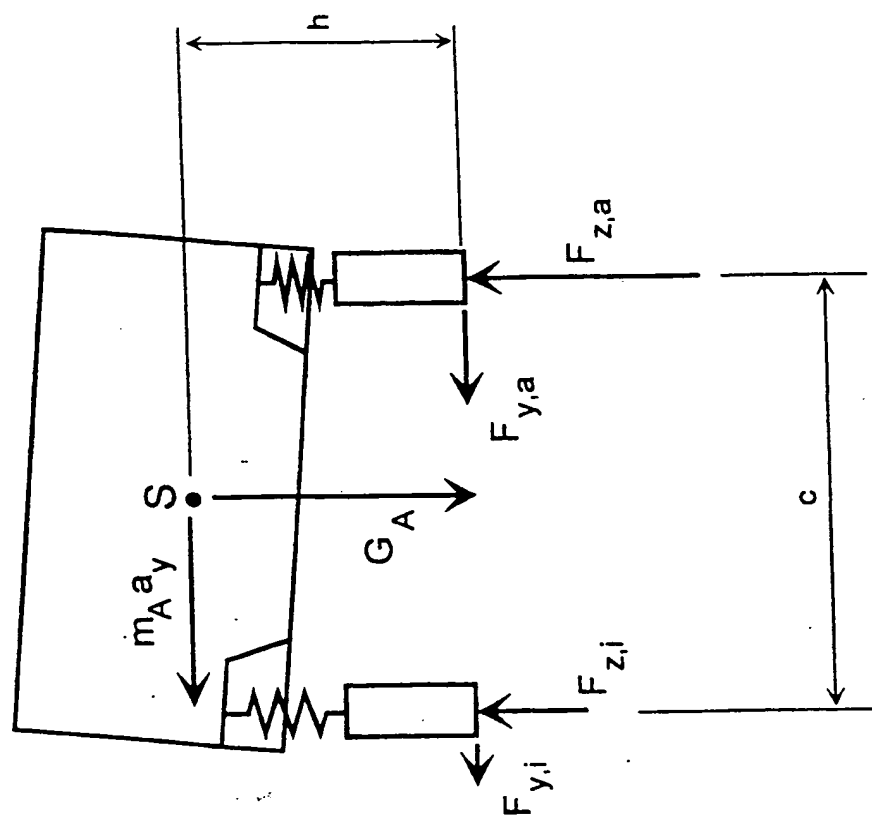


Fig. 1

2/3

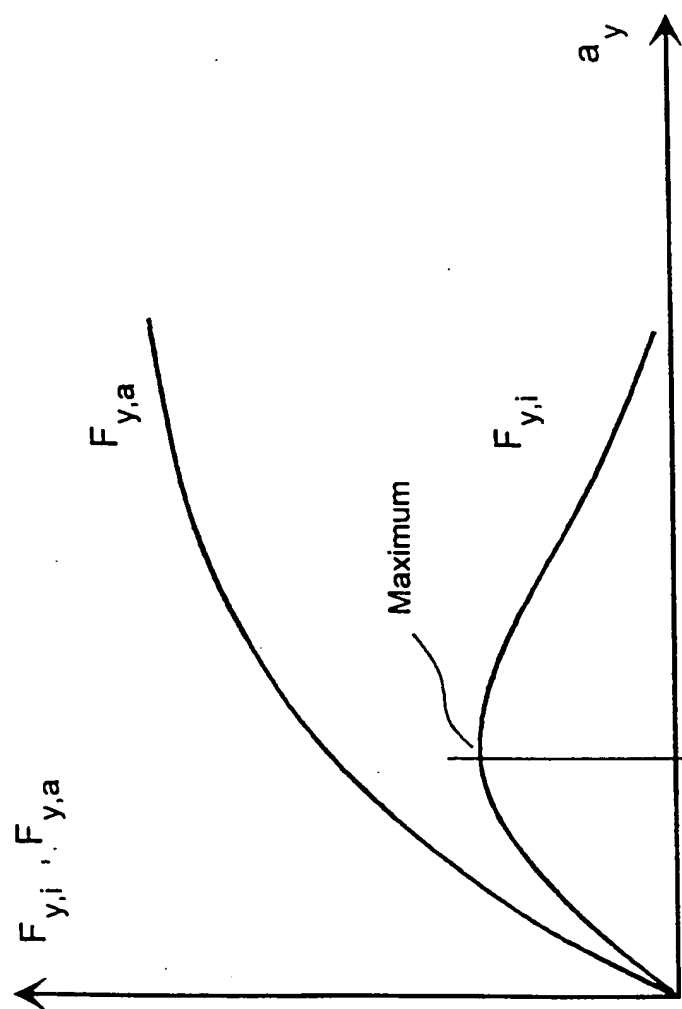


Fig. 2

3/3

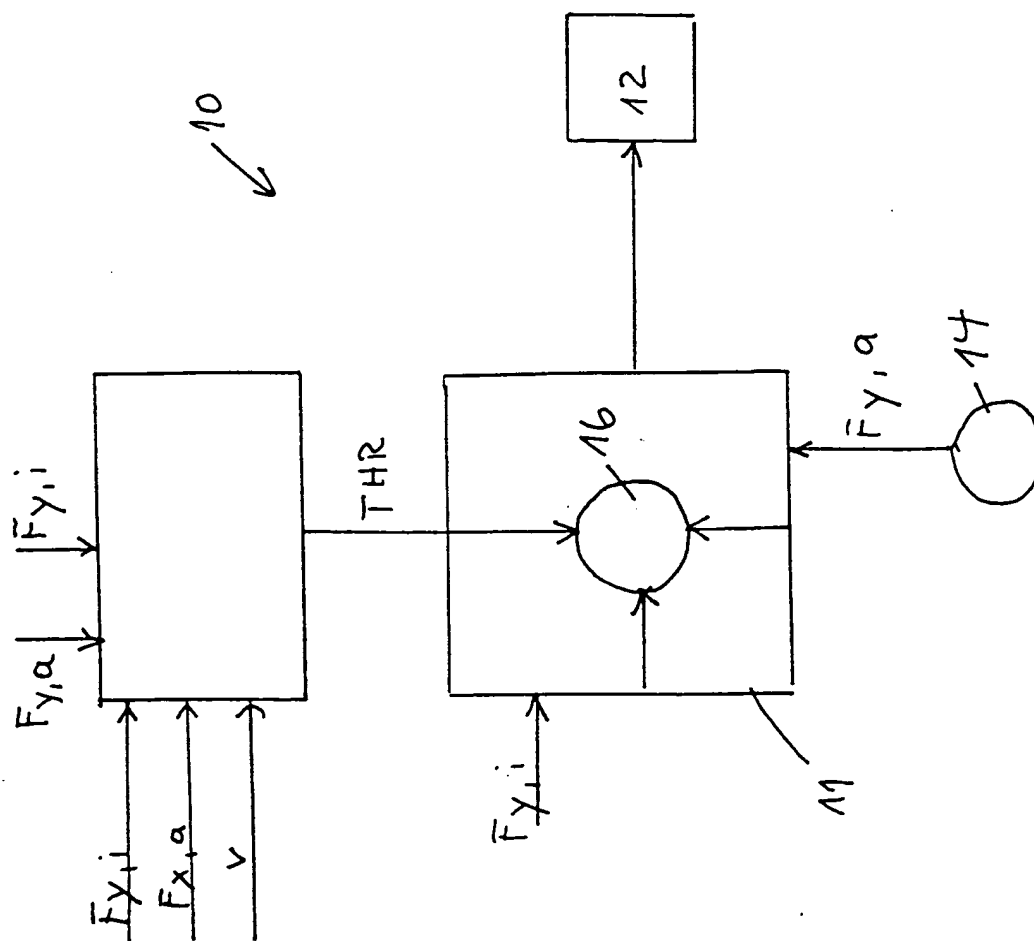


Fig. 3

THOMSON

DELPHION

RESEARCH

PRODUCTS

INSIDE DELPHION

Log Out

Work Files

Saved Searches

My Account | Products

Search: Quick/Number Boolean Advanced

The Delphion Integrated View

Get Now:  PDF | [More choices...](#)

Tools: Add to Work File: Create new Wo

View: [Expand Details](#) | [INPADOC](#) | Jump to: TopGo to: [Derwent...](#) [Email](#)

Title: **WO0112483A1: METHOD AND DEVICE FOR MEASURING STATUS V
OF A VEHICLE.** [\[German\]](#) [\[French\]](#)

Country: **WO** World Intellectual Property Organization (WIPO)

Kind: **A1** Publ. of the Int. Appl. with Int. search report

Inventor: **LÜDERS, Ulrich**; Lerchenstr. 3, D-31303 Burgdorf, Germany
ROLL, Georg; Hegelstrasse 2, D-63150 Heusenstamm, Germany
RASTE, Thomas; Weisskirchener Str. 15a, D-61440 Oberursel, Germany
OEHLER, Rainer; Finkenweg 48, D-64295 Darmstadt, Germany
IZSAK, Karl; Messkircher Strasse 53, D-68239 Mannheim, Germany
IZSAK, Karl; Messkircher Strasse 53, D-68239 Mannheim, Germany

Assignee: **CONTINENTAL TEVES AG & CO. OHG**, Guerickestrasse 7, D-60488 Frankfurt am Main, Germany
LATARNIK, Christine, Römerstrasse 7, D-61381 Friedrichsdorf, Germany
[News, Profiles, Stocks and More about this company](#)

Published / Filed: **2001-02-22 / 2000-08-10**

Application **WO2000EP0007772**

Number:

IPC Code: **B60T 8/00;**

ECLA Code: **B60T8/00B10H;**

Priority Number: 1999-08-13 **DE1999019937856**
 2000-08-07 **DE2000010039108**

Abstract:

The invention relates to a method and a device for measuring status variables of vehicles, whereby at least one parameter indicating the tendency of a vehicle to tilt around its longitudinal axis is measured and evaluated to detect the control or regulating parameters of the regulating system of a vehicle. In order to react as quickly as possible to the danger of vehicle tilting by conducting a regulating operation, at least one parameter indicating the tilting tendency of the vehicle is measured by continuously detecting said measuring variable in at least one degree of the vehicle on the inner and outer curve based on the measuring variable detected with the aid of wheel or wheel force sensors and which reflect the lateral force exerted on the tire or wheel and/or the contact force exerted on the tire or wheel. The direct forces exerted on the tire or wheels or the parameters derived therefrom and/or the signals formed by the correction variables or values such as filtered parameters are used as control or regulating parameters. [\[German\]](#) [\[French\]](#)



Attorney, Agent or Firm: **CONTINENTAL TEVES AG & CO. OHG** ; Guerickestrasse 7, D-60488 Frankfurt am Main Germany

INPADOC [Show legal status actions](#) Get Now: [Family Legal Status Report](#)

Legal Status: Designated AU BR JP KR US ZA, **European patent:** AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Family: [Show 6 known family members](#)

Description: [Expand full description](#)

±

First Claim: [Show all claims](#)

1. Verfahren zum Bestimmen von Fahrzeugzustandsgrößen, bei dem wenigstens eine, für die Fahrzeugkipptendenz um die Fahrzeuglängsachse indikative Größe gemessen und zum Ermitteln von Steuer- oder Regelgrößen eines Kraftfahrzeug-Regelungssystems ausgewertet wird dadurch gekennzeichnet, daß auf Basis der Meßgröße, die mit Hilfe von Reifenoder Radkraftsensoren ermittelt wurde und die die Reifenoder Radseitenkräfte und/oder die Reifen- oder Radaufstandskräfte wiedergibt, mindestens eine für die Fahrzeugkipptendenz indikative Kenngröße(n) durch laufendes Erfassen dieser Meßgröße an mindestens einem kurveninneren und -äußeren Fahrzeugrad ermittelt wird und die ermittelten direkten Reifen- oder Radkräfte selbst oder daraus abgeleitete Größen, wie gefilterte Größen und/oder unter Einbeziehung von Korrekturgrößen oder werten gebildete Signale als Steuer- oder Regelgrößen verwendet werden.

†

Other Abstract Info: DERABS G2001-168850 DERABS G2001-168850



Nominate



[this for the Gallery...](#)

† Copyright © Univentio 2001-2003.

© 1997-2003 Thomson Delphion Research Subscriptions | Privacy Policy | Terms & Conditions | Site Map | Contact Us

Oct 02 16:16:06 PST 2003



WO0112483A1 Family Legal Status Report - 6 members found

Codes shown: All | Positive | Negative

| Jump | Publication | Title | Filed | AppNo |
|---------------|--------------|--|------------|-----------------|
| <u>Status</u> | WO0112483C1 | METHOD AND DEVICE FOR MEASURING STATUS VARIABLES OF A VEHICLE. | 2000-08-10 | WO2000WO0007772 |
| <u>Status</u> | WO0112483B8 | METHOD AND DEVICE FOR MEASURING STATUS VARIABLES OF A VEHICLE. | 2000-08-10 | WO2000WO0007772 |
| <u>Status</u> | WO0112483A1 | METHOD AND DEVICE FOR MEASURING STATUS VARIABLES OF A VEHICLE. | 2000-08-10 | WO2000EP0007772 |
| <u>Status</u> | EP1311416A1 | METHOD AND DEVICE FOR MEASURING STATUS VARIABLES OF A VEHICLE. | 2000-08-10 | EP2000000956417 |
| <u>Status</u> | DE10039108A1 | Verfahren und Vorrichtung zum Bestimmen von Fahrzeugzustandsgrößen | 2000-08-07 | DE2000010039108 |
| | AU0068368A5 | METHOD AND DEVICE FOR MEASURING STATUS VARIABLES OF A VEHICLE. | 2000-08-10 | AU2000000068368 |

WO0112483C1:

| Gazette date | Code | Description (remarks) List all possible codes for WO |
|--------------|------|---|
| 2001-10-04 | AK + | Designated states (AU BR JP KR US ZA) (B8) |
| 2001-10-04 | AL + | Designated countries for regional patents (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) (B8) |
| 2001-10-04 | B8 | Second modification of the first page |
| 2001-10-04 | CFP | Corrected version of a pamphlet front page |
| 2001-10-04 | CR1 | Correction of entry in section i |
| 2001-08-16 | DFPE | Request for preliminary examination filed prior to expiration of 19th month from priority date |
| 2001-07-12 | AK + | Designated states (AU BR JP KR US ZA) (C1) |
| 2001-07-12 | AL + | Designated countries for regional patents (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) (C1) |
| 2001-07-12 | C1 | Modified first page |
| 2001-07-12 | CFP | Corrected version of a pamphlet front page |
| 2001-07-12 | CR1 | Correction of entry in section i (Pat. Bul. 08/2001 under (30) add "19937856.8, 13.08.99, DE"; priority claim not previously included due to errors by the receiving Office and the international Bureau) |
| 2001-04-18 | 121 | EP: the epo has been informed by wipo that ep was designated in this application |
| 2001-02-22 | A1 + | Publication of the international application with the international search report |
| 2001-02-22 | AK + | Designated states cited in a published application with search report (AU BR JP KR US ZA) |
| 2001-02-22 | AL + | Designated countries for regional patents cited in a published application with search report (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) |
| 2000-08-10 | AE | Application data (WO 2000EP 200007772 2000-08-10) |
| 2000-08-07 | AA | Priority (patent) (DE 2000 10039108 2000-08-07) |
| 1999-08-13 | AA | Priority (patent) (DE 1999 19937856 1999-08-13) |
| 1999-08-13 | AA | Priority (patent) (DE 1999 19937856 1999-08-13) |

WO0112483B8:

| <u>Gazette date</u> | <u>Code</u> | <u>Description (remarks)</u> <small>List all possible codes for WO</small> |
|---------------------|-------------|---|
| 2001-10-04 | AK + | Designated states (AU BR JP KR US ZA) (B8) |
| 2001-10-04 | AL + | Designated countries for regional patents (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) (B8) |
| 2001-10-04 | B8 | Second modification of the first page |
| 2001-10-04 | CFP | Corrected version of a pamphlet front page |
| 2001-10-04 | CR1 | Correction of entry in section i |
| 2001-08-16 | DFPE | Request for preliminary examination filed prior to expiration of 19th month from priority date |
| 2001-07-12 | AK + | Designated states (AU BR JP KR US ZA) (C1) |
| 2001-07-12 | AL + | Designated countries for regional patents (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) (C1) |
| 2001-07-12 | C1 | Modified first page |
| 2001-07-12 | CFP | Corrected version of a pamphlet front page |
| 2001-07-12 | CR1 | Correction of entry in section i (Pat. Bul. 08/2001 under (30) add "19937856.8, 13.08.99, DE"; priority claim not previously included due to errors by the receiving Office and the international Bureau) |
| 2001-04-18 | 121 | EP: the epo has been informed by wipo that ep was designated in this application |
| 2001-02-22 | A1 + | Publication of the international application with the international search report |
| 2001-02-22 | AK + | Designated states cited in a published application with search report (AU BR JP KR US ZA) |
| 2001-02-22 | AL + | Designated countries for regional patents cited in a published application with search report (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) |
| 2000-08-10 | AE | Application data (WO 2000EP 200007772 2000-08-10) |
| 2000-08-07 | AA | Priority (patent) (DE 2000 10039108 2000-08-07) |
| 1999-08-13 | AA | Priority (patent) (DE 1999 19937856 1999-08-13) |
| 1999-08-13 | AA | Priority (patent) (DE 1999 19937856 1999-08-13) |

WO0112483A1:

| <u>Gazette date</u> | <u>Code</u> | <u>Description (remarks)</u> <small>List all possible codes for WO</small> |
|---------------------|-------------|---|
| 2001-10-04 | AK + | Designated states (AU BR JP KR US ZA) (B8) |
| 2001-10-04 | AL + | Designated countries for regional patents (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) (B8) |
| 2001-10-04 | B8 | Second modification of the first page |
| 2001-10-04 | CFP | Corrected version of a pamphlet front page |
| 2001-10-04 | CR1 | Correction of entry in section i |
| 2001-08-16 | DFPE | Request for preliminary examination filed prior to expiration of 19th month from priority date |
| 2001-07-12 | AK + | Designated states (AU BR JP KR US ZA) (C1) |
| 2001-07-12 | AL + | Designated countries for regional patents (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) (C1) |
| 2001-07-12 | C1 | Modified first page |
| 2001-07-12 | CFP | Corrected version of a pamphlet front page |
| 2001-07-12 | CR1 | Correction of entry in section i (Pat. Bul. 08/2001 under (30) add "19937856.8, 13.08.99, DE"; priority claim not previously included due to errors by the receiving Office and the international Bureau) |
| | | EP: the epo has been informed by wipo that ep was |

| | | |
|------------|------|---|
| 2001-04-18 | 121 | designated in this application |
| 2001-02-22 | A1 + | Publication of the international application with the international search report |
| 2001-02-22 | AK + | Designated states cited in a published application with search report (AU BR JP KR US ZA) |
| 2001-02-22 | AL + | Designated countries for regional patents cited in a published application with search report (AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE) |
| 2000-08-10 | AE | Application data (WO 2000EP 200007772 2000-08-10) |
| 2000-08-07 | AA | Priority (patent) (DE 2000 10039108 2000-08-07) |
| 1999-08-13 | AA | Priority (patent) (DE 1999 19937856 1999-08-13) |
| 1999-08-13 | AA | Priority (patent) (DE 1999 19937856 1999-08-13) |

EP1311416A1:

| <u>Gazette date</u> | <u>Code</u> | <u>Description (remarks)</u> List all possible codes for EP |
|---------------------|-------------|--|
| 2003-08-20 | 18W - | Withdrawn (20030625) |
| 2003-05-21 | 17P + | Request for examination filed (20020313) |
| 2003-05-21 | A1 + | Publication of application with search report |
| 2003-05-21 | AK + | Designated contracting states in an application with search report: (DE FR IT) |
| 2000-08-10 | AA | PCT-application (WO 2000EP 200007772 2000-08-10) |
| 2000-08-10 | AE | EP-application (EP 2000 00956417 2000-08-10) |
| 2000-08-07 | AA | Priority (patent application) (DE 2000 10039108 2000-08-07) |
| 1999-08-13 | AA | Priority (patent application) (DE 1999 19937856 1999-08-13) |

DE10039108A1:

| <u>Gazette date</u> | <u>Code</u> | <u>Description (remarks)</u> List all possible codes for DE |
|---------------------|-------------|---|
| 2001-07-19 | A1 + | Laying open for public inspection |
| 2001-07-19 | OM8 + | Search report available as to paragraph 43 lit. 1 sentence 1 patent law |
| 2000-08-07 | AE | Domestic application (patent application) (DE 2000 10039108 2000-08-07) |
| 1999-08-13 | AA | Domestic priority (DE 1999 19937856 1999-08-13) |

© 1997-2003 Thomson Delphion